



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/934,139	08/21/2001	Leslie G. Polgar	83233THC	7707
7590 10/06/2005				
Thomas H. Close Patent Legal Staff Eastman Kodak Company 343 State Street Rochester, NY 14650-2201		EXAMINER NGUYEN, KIMNHUNG T		
		ART UNIT 2677 PAPER NUMBER		

DATE MAILED: 10/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/934,139

Applicant(s)

POLGAR ET AL.

Examiner

Kimnhung Nguyen

Art Unit

2677

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-41 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-41 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>8/21/01</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

This Application has been examined. The claims 1-41 are pending. The examination results are as following.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-4, 6-13, 16, 25-26, 28-29 and 30-34 are rejected under 35 U.S.C. 102(b) as being anticipated by Kono (US 5,914,706).

Regarding claim 1, Kono discloses in figs. 7, 1 and 11, an electronic communications and user interface kit (see user interface (12) of fig. 11) comprising a display device (2), a plurality of separate electronic devices (9, 6, 40, 41) capable of directly utilizing the display device; and a portable container (1) with an interconnection system integrated into the container (1) and connected to the display device and the plurality of electronic devices for transferring display information from the plurality of electronic devices to the display device.

Regarding claim 2, Kono discloses further comprising a portable power source (see power unit 25, fig. 11), and wherein the interconnection system includes means for distributing power to one or more of the electronic devices (9, 6, 40, 41) from the portable power source (see fig. 11).

Regarding claim 3, Kono discloses further comprising a touch screen (see panel 26, fig. 10) on the display device and wherein the interconnection system includes means (digital signal processor 30) for transferring user input information from the touch screen to the electronic devices (35, 3942, 44-50)

Regarding claim 4, Kono discloses in figs. 1, 11, the kit further comprising a keyboard (3) with an interface to the interconnection system for connecting the keyboard to one or more of the electronic devices.

Regarding claim 6, Kono discloses further wherein the electronic devices include one or more devices selected from the group of a television receiver (see receive graphics, and images video, TV (see col. 8, lines 18-27 and col. 9, lines 29-33).

Regarding claim 7, Kono discloses further the power source is a rechargeable battery (see col. 10, lines 7-10).

Regarding claims 9-10, Kono discloses further a battery charger connected to the battery and a connector for connecting the charger to an external power source (see battery via DC/AC adapter or external AC (see col. 10, lines 7-10).

Regarding claim 11, Kono disclose further, wherein the electronic devices (39, 49) are removable and replaceable in the portable container (see fig. 7A, see IC card 21A insertable into slot 21B or take out to interchange the software, see col. 8, lines 28-33 and col. 9, lines 35-40).

Regarding claim 12, Kono discloses further wherein the interconnection system includes a wireless connection between the display device and the interconnection system (see portable apparatus for wireless communication to a PC, see col. 2, lines 59-63).

Regarding claim 13, Kono discloses further, wherein the interconnection system

Art Unit: 2677

includes a wireless connection between the keyboard and the interconnection system (see keyboard 18, fig. 5, connected to system 12 by means of IR transceiver, see col. 8, lines 6-7).

Regarding claim 16, Kono discloses further wherein the interconnection system a personal area network (see fig. 11).

Regarding claim 25, Kono discloses the display power source (25) is power source selected from battery group (see col. 10, lines 8-11).

Regarding claim 26, Kono discloses in fig. 7, the display (2) includes a memory (see software program, see col. 9, lines 35-53) and power source (25, see fig. 11).

Regarding claim 28, Kono discloses further comprising a speaker (7) and microphone (see audio data such as voice or music, as well as display see col. 9, lines 19-27)

Regarding claim 29, Kono discloses the speaker and microphone is a head set (see col. 9, lines 19-27).

Regarding claims 30-34, Kono discloses the speaker and microphone are connectable to one or more of the electronic devices via the interconnection system (see col. 9, lines 19-27).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2677

5. Claims 5, 17-22 and 37-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kono (US 5,914,706) in view of Munyan (US 5,761,485).

Regarding claims 17-22, Kono discloses an electronic communications and user interface kit as discussed above. However, Kono does not disclose a communication connection for communicating with an external device, wherein the external device is another electronic communications, and external device is a computer network; and the display includes a display power source selected from the group of battery. Munyan discloses in figs. 1 and 2, an electronic book system (20) having a communication connection for communicating (see signal from electronic book to 6, fig. 1) with an external device (12, 14, 16), wherein the external device is another electronic communications (10), and external device is a computer network (12). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the using a electronic book system having a communication connection for communicating with an external device, wherein the external device is another electronic communications, and external device is a computer network into the system of Kono because this would establish communications with the on-line bookstore, for selections stored in the bookstore, or selections stored in the Personal Electronic Book's updateable memory storage device.

Regarding claim 5, Munyan does not disclose the display is an OLED display. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have the display is an OLED display because Munyan does teach the display comprising (RGB, see col. 11, lines 50-53).

Regarding claim 37-39, Kono does not disclose the container is a notebook with edge enclosures, has covers and a spine of the notebook. Munyan discloses in fig. 1-2, a notebook (20) with edge enclosures, has covers and a spine of the notebook. It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the using a notebook (20) with edge enclosures, has covers and a spine of the notebook as taught by Munyan into the system of Kono because this would provide to the user to read information each page more convenient.

6. Claims 8, 23-24, 35-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kono (US 5,914,706) in view of Chang (US 2002/0101405).

Kono discloses the kit includes a power source from the portable power source (25, fig. 11). However, Kono does not teach the key board includes a keyboard power source. Chang discloses in figs. 1-3, a foldable input device (keyboard) having power source (see housing s 11, 12 installed a battery, see p. 2, see 0018, and 0020). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the using of keyboard includes power source as taught by Chang to the system of Kono having the electronic communications and user interface kit because this would reduce the power consumption of the personal digital assistant, and moreover, it can be charged.

7. Claims 40-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kono (US 5,914,706) and Munyan (US 5,761,485) as applied to claim 37 above, and further in view of Albert et al. (US 6,118,426).

Kono and Munyan do not disclose the enclosure is part of an article of clothing, and the clothing is a vest. Albert et al. discloses in fig. 9, the enclosure (because display maybe pocketbooks, see col. 1, lines 50-52, col. 19, lines 5-13) is part of an article of clothing (because display maybe pocketbooks, see col. 1, lines 50-52, col. 19, lines 5-13). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the using of the enclosure is part of an article of clothing, and clothing is a vest with pockets as taught by Albert et al. into the system of Kono and Munyan because this would provide the data device communicates information to the display which then display the information for the wearable.

8. Claims 14-15 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kono (US 5,914,706) in view of Borgstrom et al. (US 6,593,908).

Regarding claims 14-15, Kono does not disclose the wireless communication utilizes a wireless standard selected from the group of Bluetooth. Borgstrom et al. discloses in fig. 1, a communication system device having wireless modem of Bluetooth (see wireless radio link supported by Ericson's Bluetooth, see col. 4, lines 48-57 and col. 6, lines 65-67). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the using of communication device is wireless of Bluetooth modem as taught by Borgstrom et al. into the electronic communications and user interface kit of Kono because this would provide to the user can get information via an appropriate link, such as a cellular air interface, to a base station or other network.

Regarding claim 27, Kono does not disclose the display is between 5x8cm and 12x20cm and has a resolution of between 40 and 100 display elements per cm. It would have been obvious for Kono's system to have the display is between 5x8cm and 12x20cm and has a resolution of

Art Unit: 2677

between 40 and 100 display elements per cm as claimed since such a modification would have involved a mere change in the range of the system. A change in range is generally recognized as being within the level of ordinary skill in the art, absent unexpected results.

See In re Rose, 105 USPQ 237 (CCPA 1995)
and In re Reven, 156 USPQ 679 (CCPA 1968).

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number is (571) 272-7698. The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on (571) 272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kimnhung Nguyen
September 28, 2005

AMR A. AWAD
PRIMARY EXAMINER
Amr A. Awad